

## **Behavior of M5 vs Zr4 in Term of Ballooning and Flow Blockage**

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### **ABSTRACT**

The paper will be mainly dedicated to the "Behavior of M5 vs Zr4 in term of ballooning and flow blockage.

Based on creep tests results it has been said that M5 could lead to higher flow blockage ratios than Zr4: it is shown that using creep test results is inappropriate to predict the maximum strains or the flow blockage ratios of a cladding. Ramp tests give more representative data and show that M5 max strains are equivalent to those of Zr4.